

**INFORMATION DISCLOSURE
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Atty Dkt. 1579-580

Continuation of Ser. No. 09/D84,982

APPLICANT

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

				TRANSLATION			
DOCUMENT		DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	0 414 915 A1	3/6/91	EP				
	0 524 161 A1	1/20/93	EP				
	92/07935	5/14/92	WO				
	WO 96/40223	12/1996	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Inoue et al., "Expression of a Hybrid Cu/Zn-type Superoxide....," J. Bio. Chem., Vol. 266, No. 25, pp. 16409-16414 (1991).
	Day et al., "Manganic Porphyrins Possess Catalase Activity....," Arch. Biochem. Biophys., Vol. 347, No. 2, pp. 256-262 (1997).
	Ts'an, M-F., "Superoxide Dismutase and Pulmonary Oxygen Toxicity." XP-002074505, pp. 286-290.

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 603. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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**INFORMATION DISCLOSURE
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Atty Dkt. 1579-580

Continuation of Ser. No. 09/184,982

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U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

		Naruta et al. (1991) J. Am. Chem. Soc. 113:3595-3596.
		Leondiadis et al. (1989) J. Org. Chem. 54:6135-6138

Examiner

Date Considered

☐ **Initial if reference considered whether or not station is in conformance with MPEP 509; Draw line through station if not in conformance and not considered** Include
 of this form with next communication to application

Form PTO-FB-A820 (Also PTO-1449)

INFORMATION DISCLOSURE
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APPLICANT

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FILING DATE

GROUP

June 14, 2001

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,746,735	5/1988	Kruper, Jr. et al			
	5,236,915	8/1993	Fiel			
	5,051,337	9/1991	Sakoda et al			
	5,262,532	11/1993	Tweedle et al			
	4,758,422	7/1988	Quay			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
2 676 738	11/1992	France			
0 186 962	7/1986	EPO			
0 127 797	12/1984	EPO			
0 336 879	10/1989	EPO			
0 337 601	10/1989	EPO			
0 345 171	12/1989	EPO			
WO 93/02090	2/1993	PCT			
WO 96/09053	3/1996	PCT			
WO 95/31197	11/1995	PCT			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Foran et al, "Effect of Electrolyte Concentration on Axial Anion Ligation in Manganese(III) meso-Tetraphenylporphyrin Chlorides". Inorg. Chem. 31:1463-1470 (1992)
	Milgrom, Facile Aerial Oxidation of a Porphyrin. Part 3. Some Metal Complexes of meso-Tetrakis-(3,5-di- <i>n</i> -butyl-4-hydroxyphenyl)porphyrin". J. Chem. Soc. Perkin Trans. 11:71-79 (1988)
	Bockhorst and Hoehn-Berlage, "An Optimized Synthesis of Manganese meso-Tetra(4-sulfonato-phenyl)porphine: A Tumor-Selective MRI Contrast Agent". Tetrahedron 50(29):8657-8660 (1994)
	Keinan et al, "Catalytic Antibodies. Circular Dichroism and UV-Vis Studies of Antibody-Metalloporphyrin Interactions". Inorg. Chem. 31:5433-5438 (1992)
	Marx, "Role of Gene Defect in Hereditary ALS Clarified", Science 261:986 (1993)
	Epp et al, "Superoxide Dismutase Activity of Manganese Chelates", 76-78 (1986)
	Bors et al, "An expanded function for superoxide dismutase", Chemical Abstracts 115:388 (1991), Abstract No. 109185h
	Milgrom et al, "Redox Behaviour of Phenolic Porphyrins in Basic Solutions: A Reappraisal", Free Rad. Res. 24(1):19-29 (1996)
	Szabo et al, "Evaluation of the relative contribution of nitric oxide and peroxynitrite to the suppression of mitochondrial respiration in immunostimulated macrophages using a manganese mesoporphyrin superoxide dismutase mimetic and peroxynitrite scavenger", FEBS Letters 381:82-86 (1996)
	Patel et al, "Requirement for Superoxide in Excitotoxic Cell Death", Neuron 16:345-355 (1996)
	Barnford et al, "The Squalenstatins: Synthesis and Biological Activity of Some C3-Modified Analogues; Replacement of a Carboxylic Acid or Methyl Ester with an Isoelectric Heterocyclic Functionality", J. Med. Chem. 38:3502-3513 (1995)
	Szabo et al, "Peroxynitrite Is Involved in the Pathogenesis of the Vascular Contractile and Energetic Failure in Endotoxic Shock", Shock Society Meeting (1996)

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 509; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

CRAPO et al

FILING DATE

GROUP

June 14, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,472,691	12/1995	Marklund et al			
	5,248,603	9/1993	Marklund et al			
	5,366,729	11/1994	Marklund et al			
	4,395,719	1/1990	Radhakrishnam			
	4,963,367	10/1990	Ecanow			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, etc.)

	Stralin et al, "Effects of Oxidative Stress on Expression of Extracellular Superoxide Dismutase, CuZn-Superoxide Fibroblast", Biochem. J. 298:347-352 (1994)
	Folz et al, "Extracellular Superoxide Dismutase (SOD3): Tissue-Specific Expression, Genomic Characterization, and Computer-Assisted Sequence Analysis of the Human EC SOD Gene", Genomics 22:162-171 (1994)
	Clyde et al, "Distribution of Manganese Superoxide Dismutase mRNA in Normal and Hyperoxic Rat Lung", American Journal of Respiratory Cell and Molecular Biology 3:530-537 (1993)
	Wolberg et al, "Electrochemical and Electron Paramagnetic Resonance Studies of Metalloporphyrins and Their Electrochemical Oxidation Products", Journal of the American Chemical Society 92(10):2982-2990 (1970)
	Pasternack et al, "Superoxide Dismutase Activities of an Iron Porphyrin and Other Iron Complexes", Journal of the American Chemical Society 101(4):1025-1031 (1979)
	Winkelman, James, "The Distribution of Tetrachenyloporphinesulfonate in the Tumor-bearing Rat", Cancer Research 22:589-596 (1962)
	Moisy et al, "Catalytic Oxidation of 2,6-Di-Terbutylphenol by Molecular Oxygen Electroassisted by Poly(Pyrrole-Manganese-Porphyrin)", New J. Chem. 13:511-514 (1989)
	Malinski et al, "Characterization of Conductive Polymeric Nickel(II) Tetrakis(3-methoxy-4-hydroxy-phenyl)Porphyrin as an Anodic Material for Electrocatalysis", J. Electrochem. Soc. 138(7):2008-2016 (1991)
	Weinraub et al, "Chemical properties of water-soluble porphyrins. 5. Reactions of some manganese (III) porphyrins with the superoxide and other reducing radicals", Int. J. Radiat. Biol. 50(4):649-658 (1986) (Abs)
	Fajer et al, "n-Cation Radicals and Dications of Metalloporphyrins", Journal of the American Chemical Society 92(11):3451-3459 (1970)
	Pasternack et al, "Aggregation of Nickel(II), Copper (II), and Zinc(II) Derivatives of Water-Soluble Porphyrins", Inorganic Chemistry 12(11):2506-2510 (1973)
	Datta-Gupta et al, "Synthetic Porphyrins. I. Synthesis and Spectra of Some para-Substituted meso-Tetraphenylporphines (1)", J. Heterocycl. Chem. 3:495-502 (1966)
	Harriman et al, "Photochemistry of Manganese Porphyrins Part 2.-Photoreduction", pp. 1543-1552
	Longo et al, "The Synthesis and Some Physical Properties of ms-Tetra(pentafluorophenyl)-porphyrin and ms-Tetraphenylporphines (1)", Notes 8:927-931 (1969)
	Barnitz et al, "Reactions of Fe ^{III} (meso- $\alpha,\alpha,\alpha,\alpha$ -tetrakis[O-(N-methylisonicotinamido)phenyl]porphyrin) ³⁺ and Fe ^{III} (meso-tetrakis[N-methylpyridinium-4-yl]porphyrin) ²⁺ with NC ⁻ , CO ₃ ²⁻ , and O ₂ ⁻ ", Inorg. Chem. 32:941-947 (1993)
	Pasternack et al, "On the Aggregation of Meso-Substituted Water-Soluble Porphyrins", Journal of American Chemical Society 94(13):4511-4517 (1972)
	Datta-Gupta et al, "Synthetic Porphyrins II Preparation and Spectra of Some Metal Chelates of para", Journal of Substituted-meso-Tetraphenylporphines", Journal of Pharmaceutical Science 57(2):300-304 (1968)

Examiner

Date Considered

ner: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered.
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1579-580

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INFORMATION DISCLOSURE CITATION

APPLICANT

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FILING DATE

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,130,245	7/1992	Markiund et al			
	5,169,630	12/1992	Okaya et al			
	5,202,317	4/1993	Bruice			
	5,217,966	6/1993	Bruice			
	5,223,538	6/1993	Fridovich			
	5,227,405	7/1993	Fridovich			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
0 282 899	9/1988	EPO				
0 462 836	12/1991	EPO				
91/04315	4/1991	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, etc.)

	Boissinot et al, "Rational Design and Expression of a Heparin-Targeted Human Superoxide Dismutase", Biochemical and Biophysical Research Communication 190(1):250-256 (1993)-
	Oury et al, "Cold-induced Brain Edema in Mice", The Journal of Biological Chemistry 268(21):15394-15398 (1993)
	Oury et al, "Extracellular superoxide dismutase, nitric oxide, and central nervous system O ₂ toxicity", Proc. Natl. Acad. Sci. USA 89:9715-9719 (1992)
	Pasternack et al, "Catalyst of the Disproportionation of Superoxide by Metalloporphyrins III", Journal of Inorganic Biochemistry 15:261-267 (1981)
	Oury et al, "Establishment of Transgenic Mice Expressing Human Extracellular Superoxide Dismutase", American Review of Respiratory Disease 143(4):A515 (1991), International Conference Supplement Abstracts - No. 236
	Oury et al, "Transgenic Mice Superexpressing Human Extracellular Superoxide Dismutase Show Increased Resistance to Cold-induced Brain Edema, But are More Susceptible to Hyperbaric Oxygen", American Review of Respiratory Disease 145(4):A713 (1992), International Conference Supplement Abstracts - No. 211
	Oury et al, "Immunocytochemical Localization of Extracellular Superoxide Dismutase in Human Lung", American Review of Respiratory Disease 147(4):A713 (1993), International Conference Supplement Abstracts - No. 246
	Oury, Tim D., "Extracellular Superoxide Dismutase and Nitric Oxide: Transgenic and Immunocytochemical Studies", Dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in the Department of Pathology in the Graduate School of Duke University (June 17, 1993)

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE CITATION

Atty Dkt. 1579-580

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APPLICANT

CRAPO et al

(Use several sheets if necessary)

Filed: June 14, 2001

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Gosh, "Substituent Effects on Valence Ionization Potentials of Free Base Porphyrins: Local Density Functional Calculations and Their Relevance to Electrochemical and Photoelectron Spectroscopic Studies", J. Am. Chem. Soc. 117:4691-4699 (1995)
	De Peretti et al, "Imidazol[2,1-b]benzoxazole-3-acetamide derivatives, their preparation, and their therapeutic use", Chemical Abstracts 121:1016, Abstract No. 121:200896u
	Oberley et al, "Anticancer activity of metal compounds with superoxide dismutase activity", Agents and Actions 15(5/6):535-538 (1984)
	Collman et al, "Synthesis of "Face to Face" Porphyrin Dimers Linked by 5,15-Substituents: Potential Binuclear Multielectron Redox Catalysts", J. Am. Chem. Soc. 103:516-533 (1981)
	Gassman et al, "Electronic Effects of Peripheral Substituents in Porphyrins: X-ray Photoelectron Spectroscopy and ab Initio Self-Consistent Field Calculations", J. Am. Chem. Soc. 114:9990-10000 (1992)
	Bishop et al, "The Reaction of Thiomides with Phosphorus Ylides", J. Org. Chem. 56:5079-5091 (1991)
	Pickar et al, "Cobalt(III) complexes of water soluble synthetic meso-substituted porphyrins as radiation sensitizers for oxic and hypoxic tumor cells", 8-Radiation 112:405 (1990) Abstract No. 112:73026d
	McCord et al, "Superoxide Dismutase-An Enzymic Function for Erythrocuprein", Biochemistry 492, page 346
	McCord et al, Superoxide Dismutase An Enzymic Function for Erythrocuprein (Hemocuprein)", The Journal of Biological Chemistry 244(22):6049-6055 (1969)
	Crapo et al, "Superoxide Dismutase and Oxygen Toxicity", Clinical Research, pg. 222
	Crapo et al, "The Failure of Aerosolized Superoxide Dismutase to Modify Pulmonary Oxygen Toxicity", American Review of Respiratory Disease 115:1027-1033 (1977)
	Joester et al, "Superoxide Dismutase Activity of Cu ²⁺ -Amino Acid Chelates", FEBS Letters 25(1):25-28 (1972)
	Brigelius et al, "Superoxide Dismutase Activity of Low Molecular Weight Cu ²⁺ -Chelates Studied by Pulse Radiolysis", FEBS Letters 47(1):72-75 (1974)
	Sorenson, John R.J., "Copper Chelates as Possible Active Forms of the Antiarthritic Agents", Journal of Medicinal Chemistry 19(1):135-148 (1976)
	deAlvare et al, "Mechanism of Superoxide Anion Scavenging Reaction by Bis-(Salicylato)-Copper(II) Complex" Biochemical and Biophysical Research Communications 69(3):687-694 (1976)
	Halliwell, Barry, "The Superoxide Dismutase Activity of Iron Complexes", FEBS Letters 56(1):34-38 (1975)
	McClune et al, "Catalysis of Superoxide Dismutation by Iron-Ethylenediaminetetraacetic Acid Complexes. Mechanism of the Reaction and Evidence for the Direct Formation of an Iron(III)-Ethylenediaminetetraacetic Acid Peroxo Complex from the Reaction of Superoxide with Iron(II)-Ethylenediaminetetraacetic Acid", Communications to the Editor, pg. 5220-5222 (1977)
	Diguiseppi et al, "Putative Superoxide Dismutase Activity of Iron-EDTA: A Reexamination", Archives of Biochemistry and Biophysics 203(1):145-150 (1980)
	Robertson, Jr. Et al, "Does Copper-D-Penicillamine Catalyze the Dismutation of O ₂ ⁻ ?", Archives of Biochemistry and Biophysics 203(2):830-831 (1980)
	Werringloer et al, "The Integration of Divalent Copper and the Microsomal Electron Transport System", The Journal of Biological Chemistry, 254(23):11839-11846 (1979)
	Pasternack et al, "Catalyst of the Disproportionation of Superoxide by Metalloporphyrins", Journal of Inorganic Biochemistry 11:261-267 (1979)
	Archibald et al, "Manganese and Defenses against Oxygen Toxicity in <i>Lactobacillus plantarum</i> ", Journal of Bacteriology 145(1):442-451 (1981)
	Archibald et al, "Manganese, Superoxide Dismutase, Oxygen Tolerance in Some Lactic Acid Bacteria, Journal of Bacteriology 146(3):928-936 (1981)

*Examiner

Date Considered

INFORMATION DISCLOSURE CITATION

Atty Dkt. 1579-580

Continuation of Ser. No. 09/184,982

APPLICANT

CRAPO et al

(Use several sheets if necessary)

Filed: June 14, 2001

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Archibald et al, "The Scavenging of Superoxide Radical by Manganous Complex: <i>In Vitro</i> , Archives of Biochemistry and Biophysics 214(2):452-463 (1982)
	Archibald et al, "Investigations of the State of the Manganese in <i>Lactobacillus plantarum</i> , Archives of Biochemistry and Biophysics 215(2):589-596 (1982)
	Darr et al, "A Mimic of Superoxide Dismutase Activity Based Upon Desferrioxamine B and Manganese(IV)", Archives of Biochemistry and Biophysics 258(2):351-355 (1987)
	Beyer, Jr., "Characterization of a Superoxide Dismutase Mimic Prepared from Desferrioxamine and MnO ₂ , Archives of Biochemistry and Biophysics 271(1):149-156 (1989)
	Faulkner et al, "Characterization of Mn(III) Complexes of Linear and Cyclic Desferrioxamines as Mimics of Superoxide Dismutase Activity", Archives of Biochemistry and Biophysics 310(2):341-346 (1994)
	Faulkner et al, "Stable Mn(III) Porphyrins Mimic Superoxide Dismutase <i>in Vitro</i> and Substitute for It <i>in Vivo</i> , The Journal of Biological Chemistry 269(38):23471-23476 (1994)
	Liochev et al, "A Cationic Manganic Porphyrin Inhibits Uptake of Paraquat by <i>Escherichia coli</i> ", Archives of Biochemistry and Biophysics 321(1):271-275 (1995)
	Peretz et al, "Chemical properties of water-soluble porphyrins 3. The reaction of superoxide radicals with some metalloporphyrins", Int. J. Radiat. Biol. 42(4):449-456 (1982)
	Baudry et al, "Salen-Manganese Complexes are Superoxide Dismutase-Mimics", Biochemical and Biophysical Research Communication 192(2):964-968 (1993)
	Gonzalez et al, "EUK-8, a Synthetic Superoxide Dismutase and Catalase Mimetic, Ameliorates Acute Lung Injury in Endotoxemic Swine", The Journal of Pharmacology and Experimental Therapeutics 275(2):798-806 (1995)
	Deune et al, "Prevention of Ischemia-Reperfusion Injury with a Synthetic Metalloprotein Superoxide Dismutase Mimic, SC52608", Plastic and Reconstructive Surgery 98(4):711-718 (1996)
	Lowe et al, "Comparison of the cardiovascular effects of two novel superoxide dismutase mimetics, SC-55858 and SC-54417, in conscious dogs", European Journal of Pharmacology 304:81-86 (1996)
	Weiss et al, "Manganese-based Superoxide Dismutase Mimetics Inhibit Neutral Infiltration <i>in Vivo</i> ", The Journal of Biological Chemistry 271(42):26149-26156 (1996)
	Jin et al, "A new route to water soluble porphyrins: phosphonium and ammonium type cationic porphyrins and self-assembly", Chem. Commun., pgs. 1939-1940 (1996)
	Pitié et al, "Oxidation at Carbon-1' of DNA Deoxyriboses by the Mn-TMPyP/KHSO ₅ System Results from a Cytochrome P-450-Type Hydroxylation Reaction", J. Am. Chem. Soc. 117:2935-2936 (1995)
	Libby et al, "Cationic Porphyrin Derivatives As Inhibitors of Polyamine Catabolism", Biochemical Pharmacology 50(9):1527-1530 (1995)
	Ilan et al, "Superoxide Dismutating Activity of an Iron Porphyrin", Inorg. Nucl. Chem. Letters 17(3/4):93-96 (1981)
	Solomon et al, "Chemical properties of Water-Soluble Porphyrins. 2. The Reaction of Iron(III) Tetrakis(4-N-methylpyridyl)porphyrin with the Superoxide Radical Dioxygen Couple", J. Phys. Chem. 86:1842-1849 (1982)
	Weinraub et al, "Chemical Properties of Water-Soluble Porphyrins. 1. Equilibria between Some Ligands and Iron(III) Tetrakis (4-N-methylpyridyl)porphyrin", J. Phys. Chem. 86:1839-1842 (1982)
	Day et al, "A Metalloporphyrin Superoxide Dismutase Mimetic Protects Against Paraquat-Induced Endothelial Cell Injury, <i>in Vitro</i> ", The Journal of Pharmacology and Experimental Therapeutics 275(3):1227-1232 (1995)
	Kariya et al, "Superoxide Dismutase (SOD) Activity with Fe-chlorin e6-Na and Suppression of Malignant Tumor Growth in Rats", Cancer Biotherapy 10(2):139-145 (1995)
	Liochev et al, "A Cationic Manganic Porphyrin Inhibits Uptake of Paraquat by <i>Escherichia Coli</i> , Archives of Biochemistry and Biophysics 321(1):271-275 (1995)

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,493,017	2/1996	Therien et al			
	4,851,403	7/1989	Pickier et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
0 532 327	3/1993	EPO				
WO 94/04614	3/1994	PCT				
WO 95/10185	4/1995	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Ohkawa et al, "Assay for Lipid Peroxides in Animal Tissues by Thiobarbituric Acid Reaction", Analytical Biochemistry 95:351 (1979)
	Yue et al, "Carvedilol, a New Vasodilator and Beta Adrenoceptor Antagonist, is an Antioxidant and Free Radical Scavenger", The Journal of Pharmacology and Experimental Therapeutics 263:(1992)
	Song et al, "Anti-HIV activities of anionic metalloporphyrins and related compounds", Antiviral Chemistry and Chemotherapy 8(2):85 (1996)
	Harriman and Porter, "Photochemistry of Manganese Porphyrins", J. Chem. Soc. 275:1532-1542 (1979)
	Bedioui et al, "Metalloporphyrin-Polypyrrole Film Electrode: Characterization and Catalytic Application", J. Electroanal. Chem. 207:87-99 (1986)
	Ruoslahti et al, "Arg-Gly-Asp: A Versatile Cell Recognition Signal", Cell 44:517-518 (1986)
	Kumar et al, "Radioprotection by Antioxidant Enzymes and Enzyme Mimetics", Pharmac. Ther. 39:301-309 (1988)
	Weiss et al, "Evaluation of Activity of Putative Superoxide Dismutase Mimics", The Journal of Biological Chemistry 268(31):23049-23054 (1993)
	Parge et al, "Atomic structures of wild-type and thermostable mutant recombinant human Cu,Zn superoxide dismutase", Proc. Natl. Acad. Sci. USA 89:6109-6113 (1992)
	Lappin, "Part III Bioinorganic Studies", Inorganic Reaction Mechanisms 7:334-343 (1981) -
	Schlegel et al, Reactivity of C-Substituted Porphyrin Gem-dimethylammonium
*Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 509; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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FILING DATE

June 14, 2001

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,281,616	1/1994	Dixon et al			
	4,892,941	1/1990	Dolphin et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Wheelhouse et al, "Cationic Porphyrins as Telomerase Inhibitors: the Interaction of Tetra-(N-methyl-4-pyridyl)porphine with Quadruplex DNA", J. Am. Chem. Soc. 120:3261-3262 (1998)
	Madakyan et al, "New water-soluble metal complexes of meso-tetrakis[3-N-(2'-hydroxyethyl)pyridyl]porphyrins and their pharmacological activity", Chem. Abstract 113:653 (1990) - Abstract No. 114907h
	Sharma et al, "Synthesis of amphiphilic 5-(4-N-alkylpyridiniumyl)-10, 15,20-triphenylporphyrins and their aggregational properties in different solvent systems", Chemical Abstracts Vol. 123(1) (1995) - Abstract No. 9222
	Schneider et al, "Ligand-Porphyrin Complexes: Quantitative Evaluation of Stacking and Ionic Contributions". J. Org. Chem. 59:7464-7472 (1994)
	Giradeau et al, "Substituent Effects in the Electroreduction of Porphyrins and Metalloporphyrins", J. Am. Chem. Soc. 101(14):3857-3862 (1979)
	Crapo et al, 721195, Document No. 123:218443 (1995)
	Sheldon, Chapter I in Metalloporphyrins in Catalytic Oxidations, Marcel Dekker, Inc. (1994)
	Butje et al, Inorg. Chim. Acta 167:97-108 (1990)
	Davila et al, J. Chem. Soc. Chem. Commun., pages 353-527 (1987)
	Hambright, J. Inorg. Nucl. Chem. 39:1102-1103 (1977)
	Kaufmann et al, Inorg. Chem. 24:5073 (1995)
	Sari et al, Biochemistry 29:4205-4215 (1990)
	Vodzinskii et al, Russ. J. Org. Chem. 34(6):882-885 (1998)
	Hambright et al, Porphyrin Chem. Adv. [Pap. Porphyrin Symp.] (1979), meeting date 1977, pp. 284-292, editor: Longo.
	Shlozer et al, Angew. Chem. Internat. Edit. 14(5):363 (1975)
	Cornhair et al, Lancet 355(9204):624 (2000) (Medline abstract)
	Rosenfield et al, Pediatrics 6:811-817 (1996) (Medline abstract)

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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